

Claims:

1. A pigmented ink composition comprising a pigment, a resin having an acidic group and an organic solvent having a boiling point of at least 150°C which is present in an amount of from 50
5 to 95% by weight based on the whole weight of the ink composition.

2. The pigmented ink composition according to claim 1, which comprises 0.1 to 20% by weight of the pigment and 0.5 to 30% by weight of the resin having the acidic group based on the whole weight of the ink composition.

10 3. The pigmented ink composition according to claim 1 or 2, wherein said resin having the acidic group has an acid value of 10 to 300 mg-KOH/g.

4. The pigmented ink composition according to any one of claims 1 to 3, wherein said resin having the acidic group has a
15 weight average molecular weight of 1×10^4 to 3×10^5 , and a molecular weight distribution of 1.5 to 10.

5. The pigmented ink composition according to any one of claims 1 to 4, wherein said resin having the acidic group is a resin having an ether bond.

20 6. The pigmented ink composition according to any one of claims 1 to 5, wherein said resin having the acidic group is a water-insoluble resin having a hydrophobic group.

7. The pigmented ink composition according to any one of claims 1 to 6, wherein said resin having the acidic group is an
25 acrylic resin.

8. The pigmented ink composition according to any one of claims 1 to 7, wherein said organic solvent having a boiling point of at least 150°C is a polar solvent.

9. The pigmented ink composition according to any one of claims 1 to 8, wherein said organic solvent having a boiling point of at least 150°C is an ether solvent.

10. The pigmented ink composition according to any one of
5 claims 1 to 9, wherein said organic solvent having a boiling point of at least 150°C is a monoalkyl ether monoalkyl ester derivative of (poly)alkylene glycol or a dialkyl ester derivative of (poly)alkylene glycol.

11. The pigmented ink composition according to any one of
10 claims 1 to 10, wherein said organic solvent having a boiling point of at least 150°C is at least one compound selected from the group consisting of ethylene glycol monoalkyl ether monoalkyl ester, diethylene glycol monoalkyl ether monoalkyl ester, triethylene glycol monoalkyl ether monoalkyl ester, propylene glycol
15 monoalkyl ether monoalkyl ester, dipropylene glycol monoalkyl ether monoalkyl ester, tripropylene glycol monoalkyl ether monoalkyl ester, ethylene glycol dialkyl ester, diethylene glycol dialkyl ester, triethylene glycol dialkyl ester, propylene glycol dialkyl ester, dipropylene glycol dialkyl ester and tripropylene
20 glycol dialkyl ester.

12. The pigmented ink composition according to any one of claims 1 to 11, which is used in an ink-jet printer, wherein said ink composition has a surface tension of at least 25 mN/m at 20°C and a viscosity of 2 to 30 cp at 20°C, and the pigment has a dispersion
25 average particle size of 0.01 to 0.5 µm.